

## VIII. Listener 생성(srvctl 명령어 사용)

Oracle Database Configuration Assistant (DBCA)는 Oracle 데이터베이스를 설치하고 구성하는 데 사용되는 도구입니다. DBCA를 사용하여 데이터베이스를 설치할 때, 사전에 생성된 리스너가 자동으로 데이터베이스와 등록됩니다.

- 생성 전

```
$ crsctl stat res -t
```

```
[+ASM@grid:~]$ crsctl stat res -t
```

Name	Target	State	Server	State details
Local Resources				
ora.DATA.dg	ONLINE	ONLINE	son	STABLE
ora.LISTENER.lsnr	ONLINE	ONLINE	son	STABLE
ora.asm	ONLINE	ONLINE	son	Started,STABLE
ora.ons	OFFLINE	OFFLINE	son	STABLE
Cluster Resources				
ora.cssd	ONLINE	ONLINE	son	STABLE
ora.diskmon	OFFLINE	OFFLINE		STABLE
ora.evmd	ONLINE	ONLINE	son	STABLE

### 1. 리스너 생성(grid 유저)

```
srvctl add listener -listener LISTENER_SHM -endpoints "TCP:11521/IPC:EXTPROC1"
```

- **l**: 리스너 이름을 지정합니다 ( **LISTENER\_SHM** ).
- **p**: 리스너의 프로토콜 주소를 지정합니다.

```
[+ASM@grid:~]$ srvctl add listener -listener LISTENER_SHM -endpoints "TCP:11521/IPC:EXTPROC1"
[+ASM@grid:~]$
[+ASM@grid:~]$ crsctl stat res -t
```

Name	Target	State	Server	State details
Local Resources				
ora.DATA.dg	ONLINE	ONLINE	son	STABLE
ora.LISTENER.lsnr	ONLINE	ONLINE	son	STABLE
ora.LISTENER_SHM.lsnr	OFFLINE	OFFLINE	son	STABLE
ora.asm	ONLINE	ONLINE	son	Started,STABLE
ora.ons	OFFLINE	OFFLINE	son	STABLE
Cluster Resources				
ora.cssd	ONLINE	ONLINE	son	STABLE
ora.diskmon	OFFLINE	OFFLINE		STABLE
ora.evmd	ONLINE	ONLINE	son	STABLE

## 2. 리스너 시작 및 상태 확인

```
srvctl start listener -l LISTENER_SHM

srvctl status listener -l LISTENER_SHM

lsnrctl status LISTENER_SHM
```

```
[+ASM@grid:~]$ srvctl start listener -l LISTENER_SHM
[+ASM@grid:~]$ srvctl status listener -l LISTENER_SHM
Listener LISTENER_SHM is enabled
Listener LISTENER_SHM is running on node(s): son
[+ASM@grid:~]$
[+ASM@grid:~]$ lsnrctl status LISTENER_SHM

LSNRCTL for Linux: Version 19.0.0.0.0 - Production on 21-JUN-2024 16:53:29

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Connecting to (DESCRIPTION=(ADDRESS=(PROTOCOL=IPC)(KEY=LISTENER_SHM)))
STATUS of the LISTENER
-----
Alias                     LISTENER_SHM
Version                   TNSLSNR for Linux: Version 19.0.0.0.0 - Production
Start Date                21-JUN-2024 16:52:53
Uptime                    0 days 0 hr. 0 min. 36 sec
Trace Level               off
Security                  ON: Local OS Authentication
SNMP                      OFF
Listener Parameter File   /u01/app/grid/product/grid/network/admin/listener.ora
Listener Log File         /u01/app/grid/diag/tnslsnr/SON/listener_shm/alert/log.xml
Listening Endpoints Summary...
  (DESCRIPTION=(ADDRESS=(PROTOCOL=ipc)(KEY=LISTENER_SHM)))
  (DESCRIPTION=(ADDRESS=(PROTOCOL=ipc)(KEY=EXTPROC1)))
  (DESCRIPTION=(ADDRESS=(PROTOCOL=tcp)(HOST=192.168.56.160)(PORT=11521)))
The listener supports no services
The command completed successfully
```

- crs 상태 확인

```
crsctl stat res -t
```

```
[+ASM@grid:~]$ crsctl stat res -t
```

Name	Target	State	Server	State details
Local Resources				
ora.DATA.dg	ONLINE	ONLINE	son	STABLE
ora.LISTENER.lsnr	ONLINE	ONLINE	son	STABLE
ora.LISTENER_SHM.lsnr	ONLINE	ONLINE	son	STABLE
ora.asm	ONLINE	ONLINE	son	Started,STABLE
ora.ons	OFFLINE	OFFLINE	son	STABLE
Cluster Resources				
ora.cssd				
1	ONLINE	ONLINE	son	STABLE
ora.diskmon				
1	OFFLINE	OFFLINE		STABLE
ora.evmd				
1	ONLINE	ONLINE	son	STABLE

### 3. 기존 리스너 삭제

#### 1. 리스너 중지

```
[+ASM@grid:~]$ srvctl stop listener -listener LISTENER
[+ASM@grid:~]$
[+ASM@grid:~]$ crsctl stat res -t
```

Name	Target	State	Server	State details
Local Resources				
ora.DATA.dg	ONLINE	ONLINE	son	STABLE
ora.LISTENER.lsnr	OFFLINE	OFFLINE	son	STABLE
ora.LISTENER_SHM.lsnr	ONLINE	ONLINE	son	STABLE
ora.asm	ONLINE	ONLINE	son	Started,STABLE
ora.ons	OFFLINE	OFFLINE	son	STABLE
Cluster Resources				
ora.cssd				
1	ONLINE	ONLINE	son	STABLE
ora.diskmon				
1	OFFLINE	OFFLINE		STABLE
ora.evmd				
1	ONLINE	ONLINE	son	STABLE

```
[+ASM@grid:~]$ srvctl stop listener -listener LISTENER
[+ASM@grid:~]$
[+ASM@grid:~]$ crsctl stat res -t
```

Name	Target	State	Server	State details
-----				
Local Resources				
-----				
ora.DATA.dg	ONLINE	ONLINE	son	STABLE
ora.LISTENER.lsnr	OFFLINE	OFFLINE	son	STABLE
ora.LISTENER_SHM.lsnr	ONLINE	ONLINE	son	STABLE
ora.asm	ONLINE	ONLINE	son	Started,STABLE
ora.ons	OFFLINE	OFFLINE	son	STABLE
-----				
Cluster Resources				
-----				
ora.cssd				
1	ONLINE	ONLINE	son	STABLE
ora.diskmon				
1	OFFLINE	OFFLINE		STABLE
ora.evmd				
1	ONLINE	ONLINE	son	STABLE
-----				

## 2. 리스너 삭제

```
[+ASM@grid:~]$ srvctl remove listener -listener LISTENER
[+ASM@grid:~]$
[+ASM@grid:~]$ crsctl stat res -t
```

Name	Target	State	Server	State details
-----				
Local Resources				
-----				
ora.DATA.dg	ONLINE	ONLINE	son	STABLE
ora.LISTENER_SHM.lsnr	ONLINE	ONLINE	son	STABLE
ora.asm	ONLINE	ONLINE	son	Started,STABLE
ora.ons	OFFLINE	OFFLINE	son	STABLE
-----				
Cluster Resources				
-----				
ora.cssd				
1	ONLINE	ONLINE	son	STABLE
ora.diskmon				
1	OFFLINE	OFFLINE		STABLE
ora.evmd				
1	ONLINE	ONLINE	son	STABLE
-----				

```
[+ASM@grid:~]$ srvctl remove listener -listener LISTENER
[+ASM@grid:~]$
[+ASM@grid:~]$ crsctl stat res -t
```

Name	Target	State	Server	State details
-----				

#### Local Resources

-----

ora.DATA.dg

          ONLINE  ONLINE          son                          STABLE

ora.LISTENER\_SHM.lsnr

          ONLINE  ONLINE          son                          STABLE

ora.asm

          ONLINE  ONLINE          son                          Started, STABLE

ora.ons

          OFFLINE OFFLINE         son                          STABLE

-----

#### Cluster Resources

-----

ora.cssd

      1      ONLINE  ONLINE         son                          STABLE

ora.diskmon

      1      OFFLINE OFFLINE                                  STABLE

ora.evmd

      1      ONLINE  ONLINE         son                          STABLE

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